Regional Board 5's Basin Plan Objectives for Priority Pollutants
Sacramento and San Joaquin River Basins; Delta included

Chemical	Aquatic Life Maximum Concentration [a] (mg/L)		Applicable Water Bodies
Arsenic	0.01		Sacramento River from Keswick Dam to the I Street Bridge at City of Sacramento (13,30); American River from Folsom Dam to the Sacramento River (51); Folsom Lake (50); and the Sacramento-San Joaquin Delta.
Barium	0.01		As noted above for Arsenic.
Boron	2.0	(15 March through 15 September)	San Joaquin River, mouth of the Merced River to Vernalis
	0.8	(monthly mean, 15 March through 15 September)	
	2.6	(16 September through 14 March)	
	1.0	(monthly mean, 16 September through 14 March)	
	1.3	(monthly mean, critical year) [b]	
	5.8 [c]		Salt Slough, Mud Slough (north) San Joaquin River
	2.0	(monthly mean, 15 March through 15 September) [c]	from Sack Dam to the mouth of Merced River.
Cadmium	0.00022 [d]	$Cd = e^{(1.16)(\ln \text{hardness})-5.777} \times 10^{-3}$	Sacramento River and its tributaries above State Hwy. 32 bridge at Hamilton City.
Copper	0.0056 [d]	$Cu = e^{(0.905)(\ln \text{hardness})-1.612} \times 10^{-3}$	As noted above for Cadmium.
	0.01 [e]		As noted above for Arsenic. [e]
Cyanide	0.01		As noted above for Arsenic.
Iron	0.3		As noted above for Arsenic.
Manganese	0.05		As noted above for Arsenic.
Molybdenum	0.015		San Joaquin River, mouth of the Merced River to Vernalis.
	0.01	(monthly mean)	
	0.050 [c]		Salt Slough, Mud Slough (north), San Joaquin River
	0.019	(monthly mean, critical year) [c]	from Sack Dam to the mouth of Merced River.
Selenium	0.012		San Joaquin River, mouth of the Merced River to Vernalis.
	0.005	(4-day average) [f]	
	0.020 [f]	(monthly mean)	Salt Slough, Mud Slough (north), San Joaquin River
	0.005	(4-day average) [f]	from Sack Dam to the mouth of Merced River.
	0.002	(monthly mean)	Any water supplies used for waterfowl habitat in the Grassland Water District, San Luis National Wildlife Refuge, and Los Banos State Wildlife Area.
Silver	0.01		As noted above for Arsenic.
Zinc	0.1 [e]		As noted above for Arsenic. [e]
	0.016 [d]	($Zn = e^{(0.83)(\ln \text{hardness})-0.289} \times 10^{-3}$, 40mg hardness)	As noted above for Cadmium.

[a/] Metal objectives in this table are dissolved concentrations. Selenium, molybdenum, and boron objectives are total concentrations.

[b/] See Table IV-3, page IV - 29.00..

[c/] An alternate set of objectives is proposed to go into effect if the plan to use the San Luis Drain is implemented. The alternate set of objectives provide for better water quality in Salt Slough and the San Joaquin River, Sack Dam to the mouth of Mud Slough (north) and a longer compliance period for Mud Slough (north) and the San Joaquin River, mouth of Mud Slough (north) to mouth of the Merced River.

[d/] The effects of these concentrations were measured by exposing test organisms to dissolved aqueous solutions of 40 mg/l hardness that had been filtered through a 0.45 micron membrane filter. Where deviations from 40 mg/l of water hardness occur, the objectives, in mg/l, shall be determined using the following formulas:

$Cu = e^{(0.905)(\ln \text{hardness})-1.612} \times 10^{-3}$

$Zn = e^{(0.83)(\ln \text{hardness})-0.289} \times 10^{-3}$, 40mg hardness

$Cd = e^{(1.16)(\ln \text{hardness})-5.777} \times 10^{-3}$

[e/] Does not apply to Sacramento River above State Hwy. 32 bridge at Hamilton City. See relevant objectives (*) above.

[f/] The Regional Water Board has not adopted these selenium concentrations. These selenium concentrations were promulgated by USEPA on 22 December 1992 after USEPA disapproved the Regional Water Board's selenium concentrations. (See 57 Fed.Reg. 60848, 60920.) The selenium concentrations promulgated by USEPA are currently in effect, and are provided in this table solely for reference.